# Agricultural Systems Technology Realignment: Program Level Outcomes

As a part of a realignment, the Agricultural Systems Technology emphasis area program-level learning outcomes are as follows:

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| **Program-Level Outcome 1** | Students will be able to assess a set of spatial phenomena relevant to agriculture or other human-environment interactions. |
| Assessment Measure | In the course AGST 4843 Geospatial Capstone, a paper, oral/visual presentation, or poster, meeting the standards of presentations in a professional academic forum will be prepared and delivered by the student in class. This presentation will be reviewed by the committee specified below and the students work will need to meet the mutually agreed upon goals relating to assessment of spatial phenomena relevant to agriculture or other human-environment interactions. This project will approved by the student and course instructor and recorded in a customized rubric. . |
| Assessment  Timetable | This outcome is assessed in the capstone course (AGST 4843) in the Spring of the Senior year. |
| Who is responsible for assessing and reporting on the results? | Committee Including:  Dr. John W. Nowlin, Assistant Professor of Geospatial Technology  Dr. Ahmed Hashem, Assistant Professor of Agricultural Systems Technology  A rotating full-time faculty member of the College of Agriculture or a State/County Agricultural Extension Agent with a Master’s Degree or higher and a related professional specialization. |

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| **Program-Level Outcome 2** | Students will be able to choose an effective set of decision tools for a current agricultural or environmental problem. |
| Assessment Measure | In the course AGST 4843 Geospatial Capstone, a paper, oral/visual presentation, or poster, meeting the standards of presentations in a professional academic forum will be prepared and delivered by the student in class. This presentation will be reviewed by the committee specified below and the students work will need to meet the mutually agreed upon goals about choosing effective decision tools for a problem related to agriculture or the environment. This project will be approved by the student and course instructor and recorded in a customized rubric. |
| Assessment  Timetable | This outcome is assessed in the capstone course (AGST 4843) in the Spring of the Senior year. |
| Who is responsible for assessing and reporting on the results? | Committee Including:  Dr. John W. Nowlin, Assistant Professor of Geospatial Technology  Dr. Ahmed Hashem, Assistant Professor of Agricultural Systems Technology  A rotating full-time faculty member of the College of Agriculture or a State/County Agricultural Extension Agent with a Master’s Degree or higher and a related professional specialization. |

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| **Program-Level Outcome 3** | Students will be able to design a solution to an existing problem related to agriculture, the environment, or natural resources. |
| Assessment Measure | In the course AGST 4843 Geospatial Capstone, a paper, oral/visual presentation, or poster, meeting the standards of presentations in a professional academic forum will be prepared and delivered by the student in class. This presentation will be reviewed by the committee specified below and the students work will need to meet the mutually agreed upon goals relating to the design of a project representing the solution to an existing problem using geospatial technology relating to agriculture the environment or natural resources. This project will be approved by the student and course instructor and recorded in a customized rubric. |
| Assessment  Timetable | This outcome is assessed in the capstone course (AGST 4843) in the Spring of the Senior year. |
| Who is responsible for assessing and reporting on the results? | Committee Including:  Dr. John W. Nowlin, Assistant Professor of Geospatial Technology  Dr. Ahmed Hashem, Assistant Professor of Agricultural Systems Technology  A rotating full-time faculty member of the College of Agriculture or a State/County Agricultural Extension Agent with a Master’s Degree or higher and a related professional specialization. |